

## **Utility Advisory Commission Regular Meeting**

### **Agenda**

Thursday, May 6, 2021

7:00 pm – Gardner City Hall Council Chambers

#### **CALL TO ORDER**

#### **PLEDGE OF ALLEGIANCE**

#### **PUBLIC COMMENT**

#### **CONSENT AGENDA**

1. Standing approval of the minutes as written for the April 1, 2021 meeting of the Utility Advisory Commission.

#### **NEW BUSINESS**

1. Consider a recommendation to the City Council for the Utilities Department Line Maintenance Division to purchase a Quick Valve Startup Kit & sleeves from Olathe Winwater for the amount of \$49,925.00.

#### **DISCUSSION ITEMS**

1. Information regarding Home Depot's response to possible rebate program.

#### **OTHER BUSINESS**

#### **ADJOURNMENT**

**UTILITIES ADVISORY COMMISSION STAFF REPORT CONSENT AGENDA ITEM #1**  
**MEETING DATE: MAY 6, 2021**  
**STAFF CONTACT: GONZ GARCIA, UTILITIES DIRECTOR**

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**AGENDA ITEM:** Standing approval of the minutes as written for the April 1, 2021 meeting of the Utilities Advisory Commission.

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**Background:**

The draft minutes for the April 1, 2021 Utilities Advisory Commission meeting are attached.

**Staff Recommendation:**

Staff recommends approval of the minutes for the April 1, 2021 meeting of the Utilities Advisory Commission.

**Attachments:**

- Draft minutes of the April 1, 2021 Utilities Advisory Commission meeting.

**RECORD OF PROCEEDINGS  
OF THE UTILITY ADVISORY COMMISSION  
GARDNER, KANSAS**

Page No. 2021-07  
April 1, 2021

The Utilities Advisory Commission of Gardner, Kansas, met in Regular Session on April 1, 2021, at City Hall. Present were Chairperson Kristina Harrison, Vice-Chairperson Jake Wells, Commissioner Bryce Augustine, Commissioner Gary Williams, Commissioner Barbara Coleman, Utilities Department Director Gonzalo Garcia, KCWRRF Superintendent Scott Millholland, Administrative Assistant Erin Groh, and one member of the public.

**CALL TO ORDER**

The meeting was called to order at 7:00 p.m. by Chairperson Kristy Harrison.

**PLEDGE OF ALLEGIANCE**

**CONSENT AGENDA**

- 1. Standing approval of the minutes as written for the March 4, 2021, meeting of the Utility Advisory Commission.**

Motion by Commissioner Coleman, seconded by Commissioner Augustine, to approve the Consent Agenda.

Motion carried 5-0 Aye

**NEW BUSINESS**

- 1. Consider a recommendation to the City Council for awarding a contract to Haynes Equipment in the amount of \$317,580 for the Kill Creek WRRF UV Disinfection and Recycled Water Systems, Project No. WW2001.**

Scott Millholland, Superintendent for the Kill Creek Water Resource Recovery Facility discussed how the facility has been in operation for approximately 20 years and the current UV disinfection and Recycled Water systems are original and have reached the end of the useful life for this type of equipment. The proposed UV Disinfection System will reduce the amount of electrical consumption while providing improved disinfection of the effluent and the proposed non-potable recycled water system provides a smaller footprint than the existing equipment. These proposed systems will decrease maintenance, require less labor to perform maintenance, and provide greater savings due to lower energy usage.

A total of five responses to the request for proposals were received for the UV Disinfection System and two responses for the Recycled Water System. Utilities staff reviewed the proposals presented by Haynes Equipment for both the UV Disinfection and Recycled Water Systems and agree the equipment provided meet and exceed all of the requirements as set forth in the RFP. Commissioner Coleman asked Millholland if it would have a negative impact on Wastewater's budget and he replied no and stated that it was part of the CIP Projects list and planned for. Commissioner Augustine asked if it would take long to install and Millholland stated that it should take less than a week to install.

Motion by Commissioner Augustine, seconded by Vice-Chair Wells, to forward the recommendation to the City Council to award a contract to Haynes Equipment in the amount of \$317,580 for the Kill Creek WRRF UV Disinfection and Recycled Water Systems, Project No. WW2001.

Motion carried 5-0 Aye

## **DISCUSSION ITEMS**

### **1. Project Updates.**

Director Garcia gave a brief update on the current status of the Hillsdale Water Treatment Plant Expansion project. The expansion began in late 2019 and the startup will begin the week of April 5<sup>th</sup> and substantial completion will be at the end of August. It will allow for the production of an additional 4 million gallons per day. The final completion will be at the end of August and they will try and have an opening ceremony at the end of July.

Garcia discussed how there has been a Utility subcommittee formed by City Council in order to review the energy crisis and what impact it has had on the city due to high energy costs and gas prices and how the city will pay for such costs. March 16<sup>th</sup> was the first date the subcommittee met and it's comprised of UAC Chair Wells and UAC Commissioner Augustine along with Garcia, Business Services Manager Amy Foster, City Administrator Jim Pruetting and Finance Director Matt Wolff as well as City Councilman Mark Baldwin. Foster discussed in the meeting how the PCA works (Power Cost Adjustment) and Wolff presented the amount of additional money that the city will have to pay which is about 5.6 million which includes gas and the additional cost of energy. There was a discussion on how does the city pay the additional cost. The subcommittee decided that the city will wait several months to see what is going to happen with the KCC who is looking into why the gas prices went up before it is determined how the additional cost of energy will impact customers. Garcia thought the city may be able to recover some of the costs through the gas companies. Garcia stated that there is much going on at the state level so it was determined that it is best to wait to decide how the city will deal with the extra energy expenses. Commissioner Coleman asked if the subcommittee had any discussion about how the costs will be pass onto the customers. Garcia stated there are a few ways and some examples are 1) Do a rate study to decide how to reduce the rate which would allow for customers to pay less; 2) A Power Cost Adjustment that is passed onto the customer to pay.

### **2. Electric Outage Report for 1<sup>st</sup> Quarter 2021.**

#### **2021 First Quarter Electric Outage Report**

Director Garcia presented the Electric Outage report for the 1<sup>st</sup> Quarter of 2021. Electric staff responded to 17 outages affecting 108 customers: 5 caused by equipment failures, 1 caused by trees, 3 caused by animals, and 8 caused by other reasons. The average workday response time was 2 hours and 7 minutes and the average workday length of outage was 2 hours and 20 minutes. The average after-hours response time was 36 minutes and the average after-hours length of outage was 1 hour and 4 minutes. The overall average response time was 1 hour and 8 minutes and the overall average length of outage was 1 hour and 31 minutes.

#### **2021 First Quarter Wastewater Outage Report**

Director Garcia presented the Wastewater Collection report for the 1<sup>st</sup> Quarter of 2021. Line maintenance staff completed 10 sanitary sewer line repairs affecting 12 customers, with 1 being caused by debris and 9 due to residents' issues. The average workday response time was 6 hours and 29 minutes and the average workday repair time was 19 hours and 21 minutes. The average after-hours response time was 18 minutes and the average after-hours repair time was 59 minutes. The overall average response time was 5 hours and 15 minutes and the overall average repair time was 15 hours and 40 minutes.

2021 First Quarter Water Outage Report

Director Garcia presented the Water Distribution Repairs Report for the 1<sup>st</sup> Quarter of 2021. Line maintenance staff completed 83 water distribution service repairs affecting 485 customers: 6 due to line failures, 5 due to valve failure, 9 due to damage by others, 17 due to residents' issues, and 46 due to other issues. The average workday response time was 43 minutes and the average workday repair time was 15 hours and 53 minutes. The average after-hours response time was 4 hours and the average after-hours repair time was 8 hours and 30 minutes. The overall average response time was 2 hours and 44 minutes and the overall average repair time was 12 hours and 3 minutes. Garcia stated that there was a high number of frozen meters due to cold weather and affected both smart meters and non-smart meters.

**OTHER BUSINESS**

Commissioner Williams asked about where the Utilities Dept. is at with the grease taps (FOG program) and Garcia stated that staff has sent information out to businesses regarding the FOG program (Fats, Oils and Grease) so the program is getting ready to begin.

Commissioner Augustine asked how the Smart Meters are going and Garcia stated that we are about 99% completed with installing the electric smart meters and about 15% done with installing the water meters. We are expected to get the water meters in by late summer. The customer version of the phone app for the smart meters is not available yet but we are hoping to have it in the next month or so.

Augustine asked if there is any new information about the possible rebate program. Garcia stated that he checked with Home Depot to see if Gardner could partner with them. The idea is to have customers take their customer number there and then get a discount on for example a home thermostat and then Home Depot would bill the city. Home Depot's response was that Garcia would have to go through their corporate office and inquire about it. Commissioner Coleman asked if the City would want to ask local businesses to be a part of this program as well and Director Garcia said that Ace Hardware is the next business he would like to ask about it. Much discussion was had about people possibly taking advantage of the rebates and how limits could be set. Garcia said that the hope of setting up a program with businesses is to allow limits to be set on how many rebates each household could receive.

Augustine said that he recently sold a home to a resident and the resident told him that he had to go into City Hall in person to set up his new account for utilities and he was amazed that he was required to go in person. Augustine asked if we could make it easier for residents to sign up for their account online. Garcia said that he thought that new residents could set it up over the phone but he said he would need to talk to Utility Billing and see if an online option could be set up if it isn't yet.

Commissioner Coleman had a few residents contact her to let her know that they had some large increases in their utility bills and they had to come in and set up payment plans and that they have been accommodated nicely with it and it has worked well for them.

**ADJOURNMENT**

Motion by Commissioner Coleman, seconded by Commissioner Williams, to adjourn the meeting at 7:52 p.m.

Motion carried 5-0 Aye

/s/ Erin Groh

Utilities Department Administrative Assistant

## UTILITY ADVISORY COMMISSION

### STAFF REPORT

### NEW BUSINESS ITEM #1

MEETING DATE: MAY 6, 2021

STAFF CONTACT: GONZ GARCIA, UTILITIES DIRECTOR

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**AGENDA ITEM:** Consider a recommendation to the City Council for the Utilities Department Line Maintenance Division to purchase a Quick Valve Startup Kit & sleeves from Olathe Winwater for the amount of \$49,925.00.

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#### **Background:**

The City of Gardner Utilities Department, Line Maintenance Division is responsible for the operation and maintenance of 135 miles of waterlines, 2,369 valves and 1,161 fire hydrants within the City limits of Gardner. These numbers grow annually as more and more developments come to our community. These items range in age from brand new installs to approaching the end of their useful life and everything in between. When these assets need replacement or repair, water shutoffs are required and this can impact a large number of residents for long periods of time due to the current configuration of the water system.

The line maintenance division has investigated and installed both types of insertion valves at various times within the system to help resolve issues within the water system. Over the past 2 years these valves have been installed near Gardner Lake and within the Parma neighborhood to dramatically reduce the number of residence without water during a repair. The insertion valve systems provide benefits and value to the community as it relates to no water shutoff during installation, no service interruptions to residents, no customer required notifications, and no loss of pipe integrity to the existing main. With the introduction of these capabilities to the Line Maintenance department the City can help reduce the effects to residents during possible emergencies, routine repairs and maintenance of the existing system.

The Utilities department is also participating in the review of new developments to determine if the designs have adequate and appropriately placed valves to help reduce future impacts on residents during a water shutoff.

#### **Bidding Process:**

The Line Maintenance Division requested estimates from three different equipment suppliers for the purchase of a resilient gate valve installation system. The requirement was that the system must be able to be installed while the water system is under pressure. There were three (3) suppliers that provided quotes to the City of Gardner for this equipment. The following suppliers provided quotes:

<b>Supply Company:</b>	<b>Location:</b>	<b>Quote:</b>
Olathe Winwater	1165 W 149 <sup>th</sup> St, Olathe, KS	\$49,925.00
Salina Supply Company	302 N Santa Fe St, Salina, KS	\$52,245.70
Core & Main	14701 E 116 <sup>th</sup> St N, Owasso, OK	\$63,920.00

This will allow Line Maintenance staff to perform routine and emergency repairs in a manner that will allow for fewer residents to be without water and still provide quality drinking water.

**Staff and Committee Recommendation:**

Consider a recommendation to the City Council for the Utilities Department Line Maintenance Division to purchase the Quick Valve Startup Kit & sleeves from Olathe Winwater for the amount of \$49,925.00.

**Attachments:**

- Olathe Winwater Quote
- ROMAC Quickvalve Brochure

1165 W 149 STREET  
OLATHE, KS 66061

PHONE (913) 829-3300  
FAX (913) 829-3993

*Quoted To Customer*

CITY OF GARDNER  
120 E MAIN ST  
GARDNER, KS 66030-1310

Phone (913) 856-7535  
Fax (913) 856-2351

*Job Name*

2021 Romac Quik valve Pricing

Quote No.	Date	Page
0016022	3/05/21	1
Expiration Date		2/26/21
Revised Date		3/04/21
Bid Due Date		1/27/21

*Quoted By*

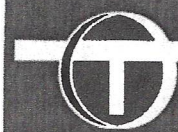
Gavin Fouts  
gkfouts@winwaterworks.com  
(913) 829-3300

Customer	Payment Terms	Quoted To	Salesperson	FOB
015315	NET 30 DAYS	Ted Manes	GAVIN FOUTS	S

Line	Qty.	Description	Unit Price	UOM	Extended Price
1.0	1	ROMAC QUIKVALVE STARTUP KIT PART #364-00 <b>SUBTOTAL</b>	43550.0000		43550.00 <b>43550.00</b>
5.0	1	6" ROMAC QUIKVALVE SLEEVE PART #2	1500.0000		1500.00
6.0	1	6" ROMAC INSERTION VALVE PART #361-06SS	1400.0000		1400.00
7.0	1	8" ROMAC QUIKVALVE SLEEVE PART #3	1850.0000		1850.00
8.0	1	8" ROMAC INSERTION VALVE PART #361-08SS <b>SUBTOTAL</b>	1625.0000		1625.00 <b>6375.00</b>
		<b>SUBTOTAL</b>			

1. This quotation is itemized for information only. Although effort has been made to include all material needed, this is not necessarily a complete list.  
2. The prices are subject to change without notice, and also subject to any federal, state, city or other taxes that may apply.  
3. We are not responsible for damages resulting from strikes, delays by carrier, or causes beyond our control.  
4. This quotation is not to be considered a contract and we reserve the right to retract this and any quotation at any time for any reason.

Tax Area Id	Net Sales
170912503	49,925.00
	Freight .00
	Tax .00
	Quotation Total 49,925.00

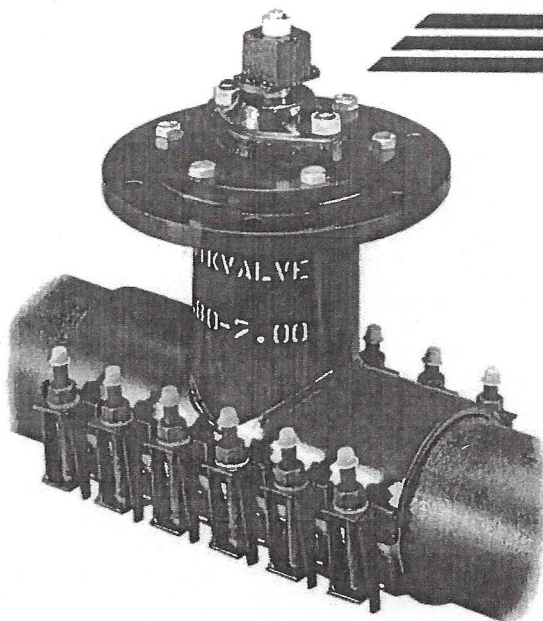


Transmate

a Division of Romac Industries, Inc.

## VALVE INSERTION

**"WHEN YOU ARE UNDER PRESSURE TO INSTALL A  
VALVE IN AN OPERATING LINE"**



# *Quik Valve*<sup>TM</sup>

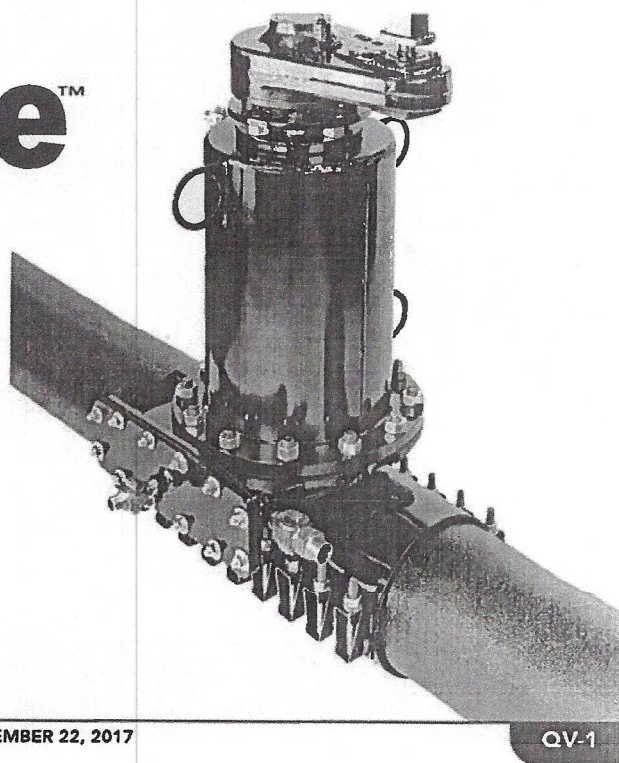
### PAGE QV-2

- 4", 6" or 8" installations in cast iron, ductile iron, A/C and some classes of PVC pipe
- Uses modern resilient gate technology
- Can be used in water lines with up to 150 psi ambient pressure
- Installed valve has the same number of turns as any other comparable valve in your system

# *Insert Valve*<sup>TM</sup>

### PAGE QV-7

- 10" - 12" installations in cast iron, ductile iron, A/C, PVC C-900 and steel pipe
- No loss of pressure
- Minimal water loss
- Completion time is less than 2 hours



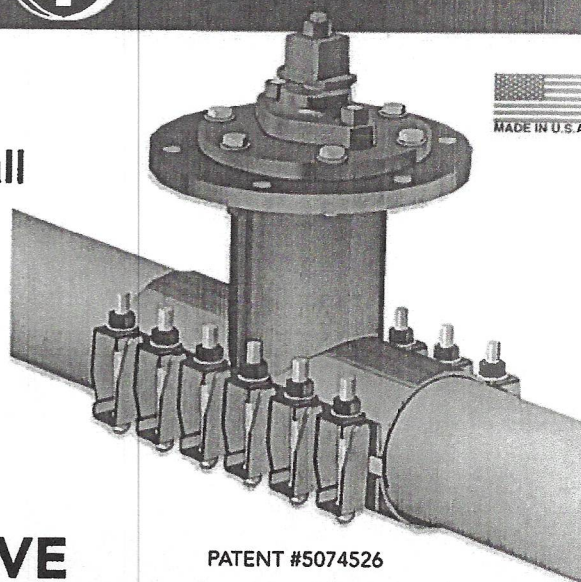
**QUIKVALVE™****Transmate**

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**QuikValve™**

**“When you are under pressure to install a valve in an operating line”**

- 4", 6" or 8" installations in cast iron, ductile iron, A/C and some classes of PVC pipe
- Uses modern resilient gate technology
- Can be used in water lines with up to 150 psi ambient pressure
- Installed valve has the same number of turns as any other comparable valve in your system



PATENT #5074526

## QUIKVALVE TAPPING SLEEVE

### MATERIAL SPECIFICATIONS

**GENERAL:** The sleeve is fabricated to assure a 360° seal around the pipe under working pressures up to 150 psi. (Test pressure: 225 psi.) It is designed to accommodate the equipment and fixtures necessary to drill and ream the pipe and install the QuikValve insertion valve without any interruption in water service.

**SLEEVE:** ASTM A-36 steel.

**FLANGE:** A special flange is used that mates with the QuikValve installation equipment and insertion valve.

**NECK:** The neck is manufactured to precision tolerances that assure proper alignment, support, and sealing of the QuikValve insert.

**BOLTS AND NUTS:** High strength low alloy steel (Corten) bolts and nuts meeting AWWA standard C-111. Type 304 stainless steel bolts with SDC nuts are optional.

**GASKETS:** All gaskets are made of Styrene Butadiene Rubber (SBR) compounded for potable water service in accordance with ASTM D2000 3 BA715. The gaskets provide a positive 360° seal on the pipe and assure a tight, durable, and resilient seal at the pipe sleeve - valve insert junction.

**COATING:** The sleeve is lined and coated with fusion bonded epoxy.

**ARMORS:** Heavy gauge type 304 stainless steel armor plates are used to bridge the gap between the sleeve halves.

**LUGS:** Lugs on the sleeve are configured to properly align the sleeve halves during installation, provide a bolting surface, and assure a 360° seal. The lugs are designed to prevent excessive stress on the pipe, and minimize distortion of soft (PVC) pipe.

## QUIKVALVE VALVE ASSEMBLY

### MATERIAL SPECIFICATIONS

**GENERAL:** The valve assembly, when installed in a QuikValve sleeve, performs as a water control device with an effective shutoff of the flow of water. The valve is installed in the open position, under water pressure without any interruption of water service. The QuikValve gives a full unobstructed full flow waterway after installation.

**INSERT:** The insert consists of a ductile iron casting coated with SBR rubber compounded for water service with a durometer of 55 Shore A. The insert seals on the inside diameter of the QuikValve sleeve neck and the lower half of the water main.

**VALVE STEM:** The stem and nut assembly are in accordance with AWWA C-500-80, section 3.12.

**FLANGE:** A special flange, made of ASTM A-36 steel is used that holds the valve assembly together and acts to seal against the valve sleeve flange.

**GASKET:** The valve flange gasket is made of NBR rubber, compounded for water service in accordance with ASTM D2000 3 BK620, with a durometer of 60 Shore A. The gasket acts as the sealing interface between the valve flange and the sleeve flange.

**BOLTS AND NUTS:** Grade 3 Alloy steel, zinc plated for corrosion protection. Type 304 stainless steel bolts, nuts and washers are optional.

For more information on the QuikValve™ Machine, please contact your regional Romac/Transmate representative at 1-800-426-9341

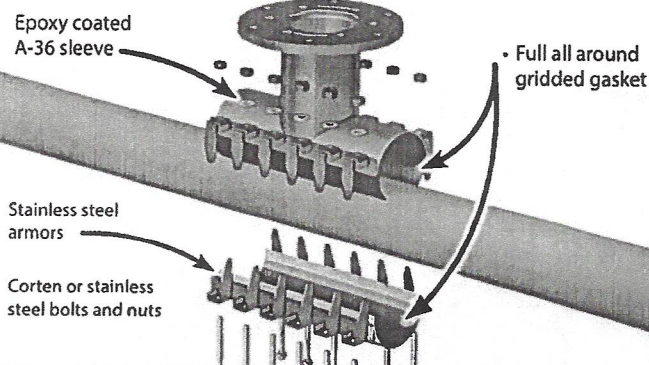

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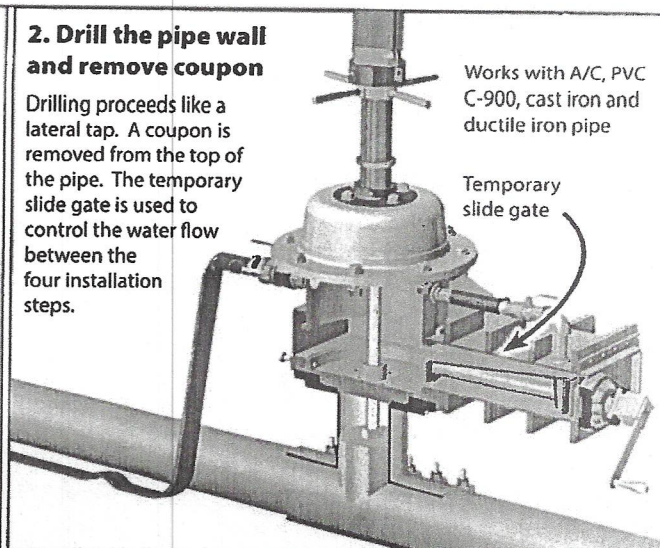
VALVE INSERTION

**QUIKVALVE™**
**1. Install the QuikValve sleeve**

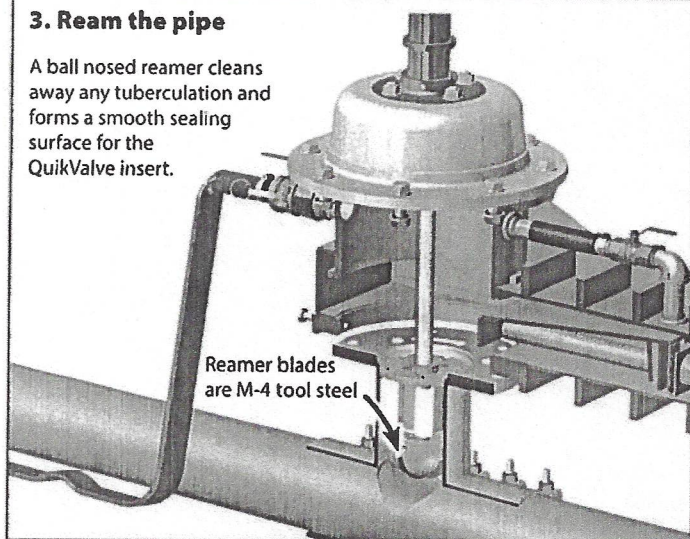
The QuikValve Sleeve supports and strengthens the pipe. The full all around gasket assures water containment for the life of the valve. The sleeve acts as the valve body and is designed to withstand additional temporary stresses during the QuikValve installation.


**2. Drill the pipe wall and remove coupon**

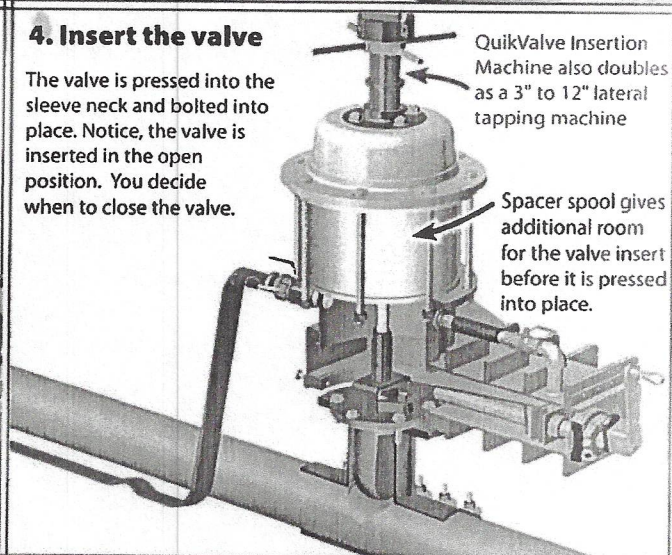
Drilling proceeds like a lateral tap. A coupon is removed from the top of the pipe. The temporary slide gate is used to control the water flow between the four installation steps.


**3. Ream the pipe**

A ball nosed reamer cleans away any tuberculation and forms a smooth sealing surface for the QuikValve insert.

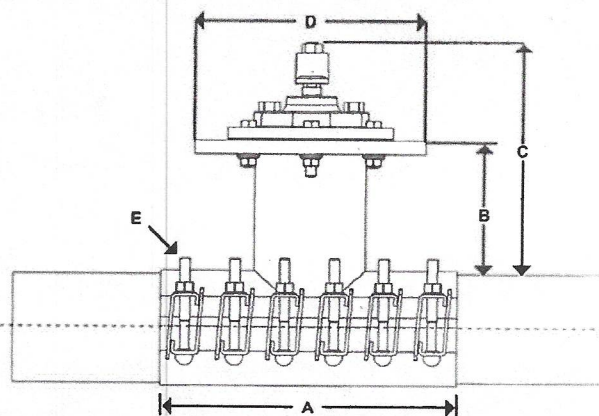

**4. Insert the valve**

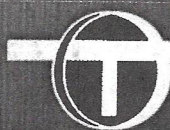
The valve is pressed into the sleeve neck and bolted into place. Notice, the valve is inserted in the open position. You decide when to close the valve.


**QuikValve™**
**SLEEVE DIMENSIONS**

SLEEVE DIMENSIONS					
FLANGE SIZE	DIMENSIONS				
	A	B	C	D'	E
4"	18.0	6.75	12.65	12.35	12
6"	18.0	8.50	14.40	14.00	12
8"	24.0	10.50	16.40	16.50	16

\*OD to accept QuikValve Installation Equipment

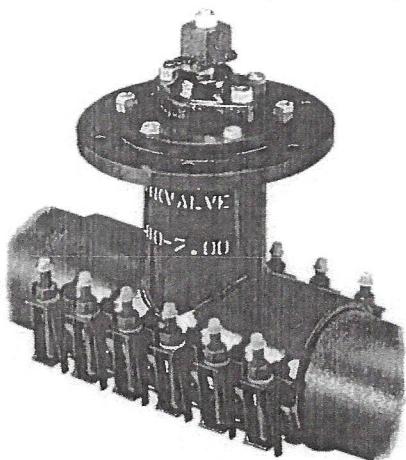


**QUIKVALVE™****Transmate**

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**QuikValve™**

**"When you are under pressure to install a valve in an operating line"**



ITEM NUMBER	DESCRIPTION	LIST PRICE
<b>SLEEVES with alloy bolts &amp; nuts</b>		
310-0450010	QVS-4.50 (4.48 - 4.55)*	\$1,404.88
310-0490010	QVS-4.90 (4.70 - 4.90)	1,404.88
4" 310-0510010	QVS-5.10 (4.91 - 5.10)	1,404.88
310-0530010	QVS-5.30 (5.11 - 5.30)	1,404.88
310-0550010	QVS-5.50 (5.31 - 5.50)	1,404.88
<b>6"</b>		
310-0663010	QVS-6.63 (6.61 - 6.68)*	1,642.23
310-0700010	QVS-7.00 (6.81 - 7.00)	1,642.23
310-0720010	QVS-7.20 (7.01 - 7.20)	1,642.23
310-0740010	QVS-7.40 (7.21 - 7.40)	1,642.23
310-0760010	QVS-7.60 (7.41 - 7.60)	1,642.23
<b>8"</b>		
310-0863010	QVS-8.63 (8.61 - 8.68)*	2,010.46
310-0915010	QVS-9.15 (8.95 - 9.15)	2,010.46
310-0935010	QVS-9.35 (9.16 - 9.35)	2,010.46
310-0955010	QVS-9.55 (9.36 - 9.55)	2,010.46
310-0975010	QVS-9.75 (9.56 - 9.75)	2,010.46

<b>SLEEVES with 304 S.S. bolts &amp; nuts</b>		
310-0450011	QVS-4.50 (4.48 - 4.55)*	\$1,468.78
310-0490011	QVS-4.90 (4.70 - 4.90)	1,468.78
4" 310-0510011	QVS-5.10 (4.91 - 5.10)	1,468.78
310-0530011	QVS-5.30 (5.11 - 5.30)	1,468.78
310-0550011	QVS-5.50 (5.31 - 5.50)	1,468.78

310-0663011	QVS-6.63 (6.61 - 6.68)*	1,758.57
310-0700011	QVS-7.00 (6.81 - 7.00)	1,758.57
6" 310-0720011	QVS-7.20 (7.01 - 7.20)	1,758.57
310-0740011	QVS-7.40 (7.21 - 7.40)	1,758.57
310-0760011	QVS-7.60 (7.41 - 7.60)	1,758.57

310-0863011	QVS-8.63 (8.61 - 8.68)*	2,165.67
310-0915011	QVS-9.15 (8.95 - 9.15)	2,165.67
8" 310-0935011	QVS-9.35 (9.16 - 9.35)	2,165.67
310-0955011	QVS-9.55 (9.36 - 9.55)	2,165.67
310-0975011	QVS-9.75 (9.56 - 9.75)	2,165.67

\*For IPS size PVC pipe (Class 160) or greater

<b>INSERTION VALVES</b>		
361-04	4", Left Open, Mang. Stem	\$1,268.58
361-04R	4", Right Open, Mang. Stem	1,268.58
361-04-N	4", Left Open, NDZ Stem	1,353.67
361-04R-N	4", Right Open, NDZ Stem	1,353.67
4" 361-04SS	4", Left Open, Mang. Stem w/S.S. B&N	1,392.35
361-04RSS	4", Right Open, Mang. Stem w/S.S. B&N	1,392.35
361-04SS-N	4", Left Open, NDZ Stem w/S.S. B&N	1,431.02
361-04RSS-N	4", Right Open, NDZ Stem w/S.S. B&N	1,431.02

361-06	6", Left Open, Mang. Stem	1,404.95
361-06R	6", Right Open, Mang. Stem	1,404.95
361-06-N	6", Left Open, NDZ Stem	1,485.10
6" 361-06R-N	6", Right Open, NDZ Stem	1,485.10
361-06SS	6", Left Open, Mang. Stem w/S.S. B&N	1,635.38
361-06RSS	6", Right Open, Mang. Stem w/S.S. B&N	1,635.38
361-06SS-N	6", Left Open, NDZ Stem w/S.S. B&N	1,895.79
361-06RSS-N	6", Right Open, NDZ Stem w/S.S. B&N	1,895.79

361-08	8", Left Open, Mang. Stem	1,679.89
361-08R	8", Right Open, Mang. Stem	1,679.89
361-08-N	8", Left Open, NDZ Stem	1,816.57
8" 361-08R-N	8", Right Open, NDZ Stem	1,816.57
361-08SS	8", Left Open, Mang. Stem w/S.S. B&N	1,910.43
361-08RSS	8", Right Open, Mang. Stem w/S.S. B&N	1,910.43
361-08SS-N	8", Left Open, NDZ Stem w/S.S. B&N	2,227.18
361-08RSS-N	8", Right Open, NDZ Stem w/S.S. B&N	2,227.18

ITEM NUMBER	DESCRIPTION	LIST PRICE
364-00	QuikValve Package (Base Machine, \$51,899.62 Storage Box and All Accessories)	

The following are included:

- Base Machine (360-00)
- Slide Gate
- 6" and 8" Reamers, Blades and Sizing Rings
- Shell Cutters: 5.5", 6", 6.325", 7.5", 8" and 8.425"
- Shaft Nose and PVC Pilot
- Spacer Assembly
- Hydraulic Power System 15 HP
- Assorted fasteners, cap screws and nuts
- 6" and 8" Blind Flanges
- Job-site training
- Sleeve and valve not included.

364-02	4" QuikValve™ Add-On	7,573.94
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The 4" Add-On Package includes:

- 4" Reamer, Blades and Sizing Ring
- Shell Cutters 3.5", 4", 4.275"
- Assorted Fasteners
- 4" Blind Flange
- Sleeve and valve not included.

360-00	QuikValve™ Base Machine	14,408.99
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For lateral tapping, QuikValve™ &amp; InsertaValve™ installations

- The Q.V. Base Machine includes:
- Q.V. Shaft Nose included (360-22)
  - 1" Spade Bit (350-03-08)
  - Q.V. PVC Pilot (360-24)
  - Storage Box (350-61)
  - Tapping Compound (353-10-1)

For more information on the QuikValve™ Machine, please contact your regional Romac/Transmate representative at 1-800-426-9341

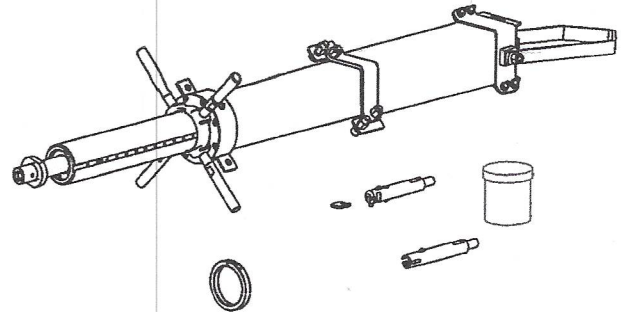
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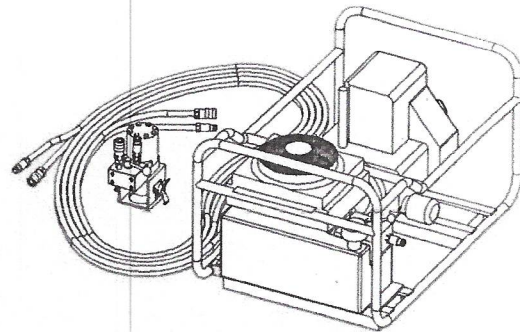
VALVE INSERTION

**QUIKVALVE™****BASE MACHINE**

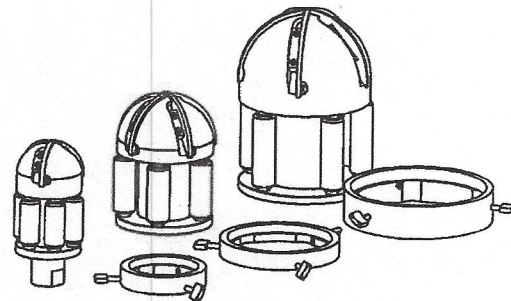
ITEM NUMBER	DESCRIPTION	LIST PRICE
360-00	QuikValve, Base Machine	\$14,408.99
360-22	QuikValve, Shaft Nose	481.37
360-24	QuikValve, PVC Pilot	368.91
350-03-08	Spade Bit	102.85
360-01	QuikValve, Main Shaft	745.46
360-06-01	QuikValve, Posi-Brake Clip, High	54.42
360-06-03	QuikValve, Posi-Brake Clip, Low	54.42
360-31	QuikValve, Lead Tube Split Collar	336.99
351-51-2	Set Screw for Shaft Nose and PVC Pilot	1.32

**HYDRAULIC DRIVE**

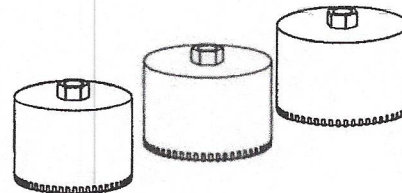
ITEM NUMBER	DESCRIPTION	LIST PRICE
360-72	QuikValve 15 HP Hydraulic Unit w/Motor & Hoses	\$12,066.98
372-82000-01	82000 HPU Hydraulic Base Power Unit	see pg. TM-27
360-72-02	Motor & Hose	see pg. TM-27

**REAMERS**

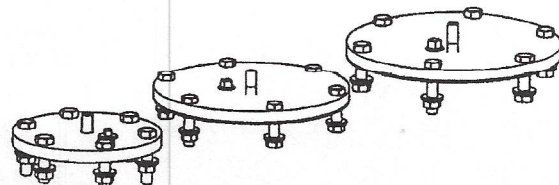
ITEM NUMBER	DESCRIPTION	LIST PRICE
362-04	QuikValve, 4" Reamer	\$5,194.40
362-04-08	QuikValve, 4" Reamer Roller	208.41
362-04-09	QuikValve, 4" Reamer Sizing Ring	630.95
362-04-11	QuikValve, 4" Reamer Blade	144.09
362-06	QuikValve, 6" Reamer	5,410.64
362-06-08	QuikValve, 6" Reamer Roller	213.08
362-06-09	QuikValve, 6" Reamer Sizing Ring	726.93
362-06-11	QuikValve, 6" Reamer Blade	159.07
362-08	QuikValve, 8" Reamer	7,155.82
362-08-08	QuikValve, 8" Reamer Roller	214.63
362-08-09	QuikValve, 8" Reamer Sizing Ring	822.90
362-08-11	QuikValve, 8" Reamer Blade	204.53

**CUTTERS**

ITEM NUMBER	DESCRIPTION	LIST PRICE
350-01-1032	Cutter, 3.5" O.D.	\$709.88
360-29-40	Cutter, 4" O.D.	812.20
360-29-42	Cutter, 4.25" O.D.	860.93
350-01-1048	Cutter, 5.5" O.D.	1,052.20
360-29-60	Cutter, 6" O.D.	1,218.31
360-29-63	Cutter, 6.325" O.D.	1,267.03
360-29-75	Cutter, 7.5" O.D.	1,391.71
360-29-80	Cutter, 8" O.D.	1,591.90
360-29-84	Cutter, 8.425" O.D.	1,640.64

**BLIND FLANGES**

ITEM NUMBER	DESCRIPTION	LIST PRICE
360-30-04	QuikValve, 4" Blind Flange	\$409.08
360-30-06	QuikValve, 6" Blind Flange	409.08
360-30-08	QuikValve, 8" Blind Flange	454.54



**QUIKVALVE™****Transmate**

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## SOME ADVANTAGES OF THE QUIKVALVE...

- The valve is inserted in the open position, so no matter how the water flow is configured, there is no loss of water pressure.
- The process is quick, usually much faster than alternative methods of line stopping or cut-ins. The average installation time is between two and three hours.
- There is only one cut in the main, and the main is never severed. The pipe retains its structural integrity just as it would with a size on size lateral tap.
- The insert uses a standard valve stem and nut. Any QuikValve installation will have the same number of turns to open and close as any valve in the system.
- Should the need arise, the QuikValve insert is replaceable under pressure.
- The insert uses the newest valve technology, the rubber coated wedge. This gives the QuikValve good sealing characteristics with an installation pressure rating of up to 150 psi.
- Due to the small envelope of the installed QuikValve, it has been installed in places where other pipelines and conduits precluded a valve cut-in.
- The QuikValve insertion machine doubles as a 3" through 12" lateral tapping machine. With 27" of travel, the equipment easily handles a size on size 12" tap. Incidentally, the manual feed on the machine has proved to give the operator a real feel for the cut, allowing him to stop if trouble arises before damage to the main occurs.
- The QuikValve gives a new method to easily isolate hydrants, water towers or spurs.

## FREQUENTLY ASKED QUESTIONS...

**Q** Does the valve have the same number of turns as a standard valve?

**A** Yes, and the same height.

**Q** What are the differences between the QuikValve sleeve and a standard fabricated tapping sleeve?

**A** There are three main differences:

1. The QuikValve sleeve has a machined neck due to the tolerances required to allow the insert to seal.
2. The QuikValve sleeve uses an all-around full seal gasket and armors instead of just a neck ring.
3. The QuikValve sleeve has a narrow range, just  $\pm 0.10$ , again to optimize sealing characteristics.

**Q** Why do you use an all around gasket instead of a neck ring on the QuikValve sleeve?

**A** We felt that sealing all the way around the pipe added significantly to the stability of the product. This is the design we have always used in our clamp products. The all around seal gives an increased safety margin against any leaking around the edges of the QuikValve sleeve, supports the pipe, and applies a more even pressure gradient to the outside diameter of the pipe wall.

**Q** What is the valve insert made of?

**A** The insert is a ductile iron cast plug that is encased with 55 durometer SBR rubber. The rubber is bonded to the casting during the rubber molding process.

**Q** Does this valve meet the AWWA valve specification?

**A** No, there is no AWWA specification that covers the QuikValve. If it ever does have an AWWA specification, it will be under a new category, separate from the standard cast valve specifications. The QuikValve's operating mechanism, the stem and nut, are standard and meet AWWA requirements.

**Q** Will the QuikValve always give a 100% seal?

**A** We don't guarantee a 100% seal. Our installations thus far have given a 100% seal. We do guarantee a seal that will allow work to be completed on your line.

**Q** What is the warranty period on the QuikValve?

**A** One year.

**Q** What does "NDZ Stem" mean?

**A** NDZ – Stands for "Non-Dezincification". One of the elements in most brass stems is zinc, and "Dezincification" is the leaching out of this zinc by corrosion. The following factors can lead to dezincification; warm water temperatures, high levels of acidity, chlorides and sulfides, in conjunction with high electrical conductivity. NDZ Bronze Stems address this phenomenon and still maintain AWWA standards.



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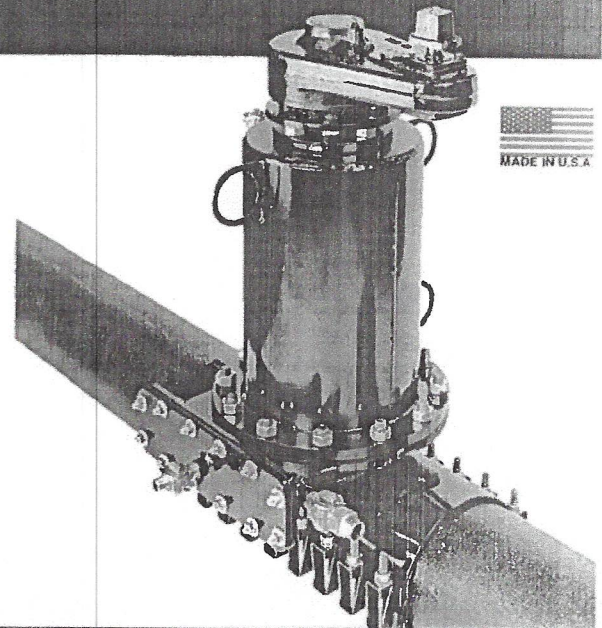
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INSERTAVALVE™

# InsertaValve™

## Valve insertion, simplified

- 10" - 12" installations in cast iron, ductile iron, A/C, PVC C-900 and steel pipe
- No Loss of Pressure
- Minimal Water Loss
- Completion time is less than 2 hours
- Much Faster Than Traditional Line Stopping And Cut-ins
- Horizontal or Vertical Installations



## INSERTA VALVE™ SLEEVE

### MATERIAL SPECIFICATIONS

**INTENDED USE:** Provides attachment to pipe for drilling and final assembly of the InsertaValve™ Water Control Valve. May be used on cast iron, ductile iron, asbestos cement and C900 PVC pipe.

**GENERAL:** The fabricated sleeve will assure a 360 degree seal around the pipe under working pressures up to 150 psi. It will accommodate the equipment and fixtures necessary to drill the pipe and install the InsertaValve™ valve assembly without any interruption in water service.

**SLEEVE:** ASTM A-36 steel.

**FLANGE:** A special flange will mate with the InsertaValve™ installation equipment and valve assembly.

**NECK:** The precision manufacturing tolerances of the neck will assure proper alignment, and support, of the InsertaValve™ valve assembly. The neck will incorporate a slide gate body that will provide a connecting flange and sealing surface for the slide gate housing. The slide gate body will also provide a sealing surface for the slide gate disk o-ring.

**BOLTS AND NUTS:** High strength low alloy steel bolts and nuts meeting AWWA standard C-111. Type 304 stainless steel bolts with Xylan coated nuts to prevent galling, are optional.

**LUGS:** Sleeve sidebar lugs will properly align the sleeve halves during installation, provide a bolting surface, and assure a 360 degree seal. The lugs will prevent excessive stress on the pipe, and minimize distortion of soft (PVC) pipe.

**MAT GASKETS:** Made of Styrene Butadiene Rubber (SBR) compounded for potable water service in accordance with ASTM D2000 3 BA620. The gaskets provide a positive 360 degree seal on the pipe and assure a tight, durable, and resilient seal.

**COATING:** The sleeve is lined and coated with fusion bonded epoxy.

**ARMORS:** Heavy gauge type 304 stainless steel armor plates will bridge the gap between the sleeve halves.

## INSERTA VALVE™ ASSEMBLY

### MATERIAL SPECIFICATIONS

**GENERAL:** Designed to be inserted into the InsertaValve™ Sleeve after the drilling procedure is performed, the Valve Assembly shall perform as a water control device giving an effective shutoff of the flow of water. The valve will be installed in the open position, under pressure and under flow conditions without any interruption of water service. The InsertaValve™ shall give a full flow waterway after installation.

**PLUG:** Constructed of urethane rubber, with a durometer of 60 Shore A. The plug shall seal on the on the inside diameter of the pipe and inside diameter to the drilled hole.

**VALVE STEM AND STEM NUT:** Manufactured of high strength bronze suitable for valve stems and nuts.

**GEARBOX:** The gearbox (inline style for vertical installations, or a 90° style for horizontal installations) will provide the force necessary to compress the plug to shut off the flow of water in the pipeline.

**FLANGE GASKET:** Made of SBR rubber, compounded for potable water service in accordance with ASTM D-2000 3 BA715, with a durometer of 70 Shore A. The gasket acts as the sealing interface between the valve flange and the sleeve flange.

**BOLTS AND NUTS:** Alloy steel, zinc plated for corrosion protection. Type 304 stainless steel bolts, nuts and washers are optional. Stainless steel nuts are Xylan coated to prevent galling.

The InsertaValve™ requires a minimum depth of bury from the topside of the pipe of 40" in vertical installations. For the horizontal installations, a 24" bury depth is recommended. The physical height of the sleeve and valve assembly is 35" off the top of the pipe.

The InsertaValve™ requires approximately 215 turns to completely open and close the valve.

**INSERTAVALVE™****Transmate**

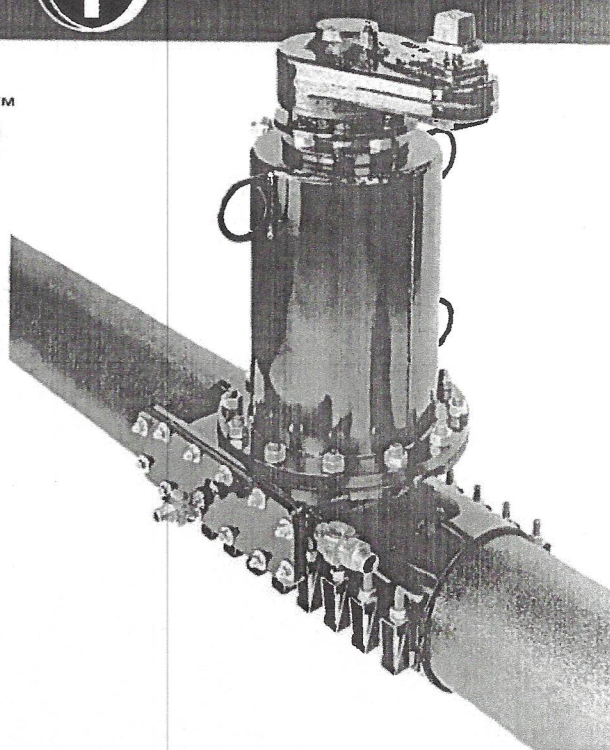
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# *InsertaValve™*

**Valve Insertion, Simplified**

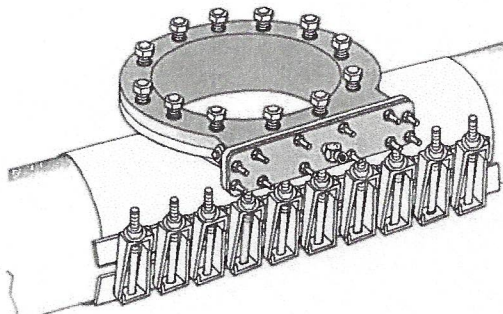
For more information on the InsertaValve™ Machine, please contact your regional Romac Customer Service at 1-800-426-9341

Note: This equipment is an add-on package to the QuikValve™ Base Machine (360-00) and requires the use of a hydraulic power supply.

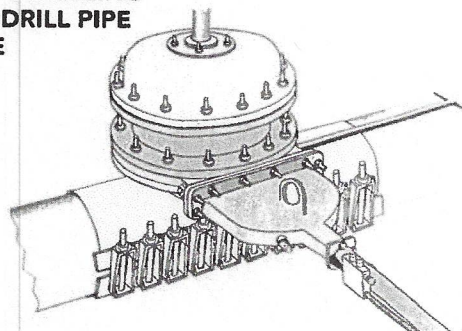


## **EASY INSTALLATION**

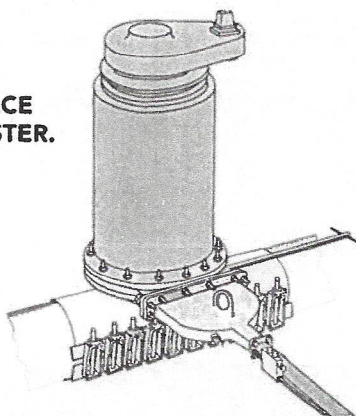
- 1** INSTALL THE INSERTAVALVE™ SLEEVE ON TO THE PIPE



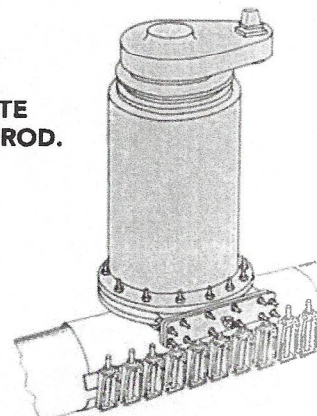
- 2** MOUNT THE SLIDE GATE ASSEMBLY & DRILLING MACHINE. DRILL PIPE AND CLOSE THE SLIDE GATE.



- 3** REMOVE DRILLING MACHINE & REPLACE WITH VALVE CANISTER.



- 4** OPEN SLIDE GATE. REMOVE SLIDE GATE ASSEMBLY & SEAL ROD.



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**INSERTAVALVE™**

# InsertaValve™

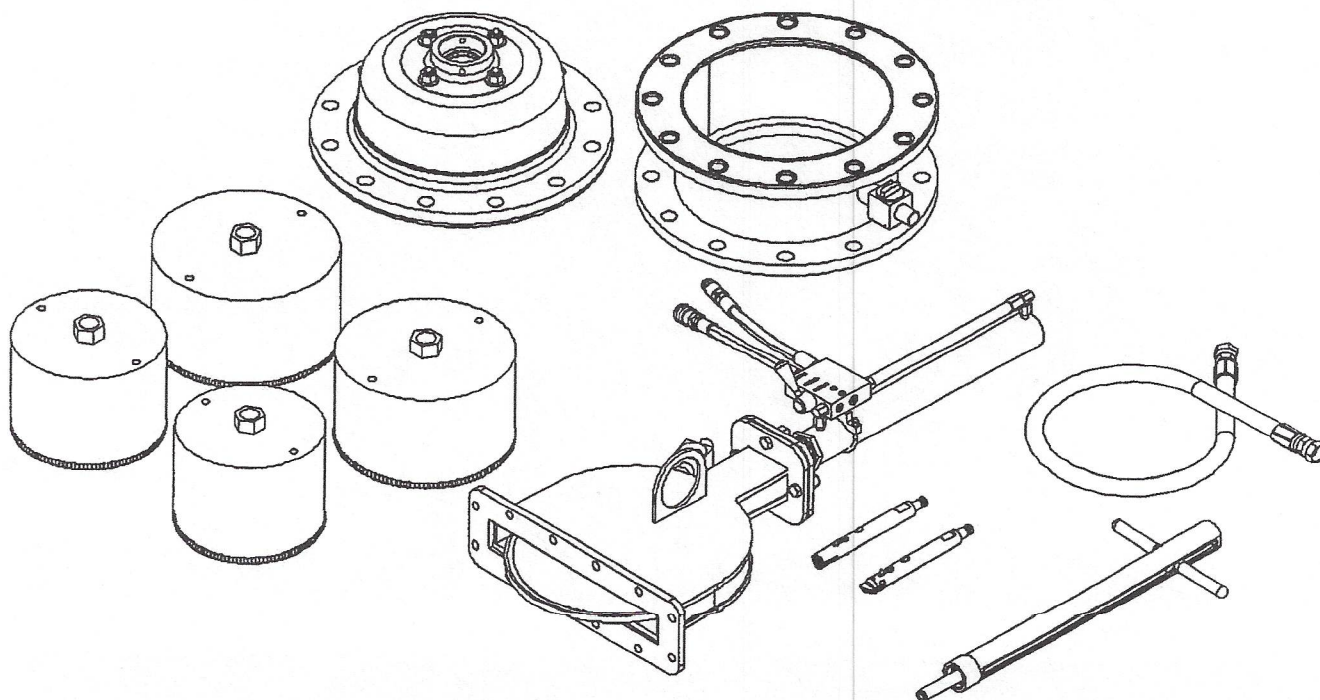
## Valve Insertion, Simplified

ITEM NUMBER	DESCRIPTION	LIST PRICE
→ 358-00	InsertaValve™ Equipment for 10 & 12-inch Valve Insertion	\$15,055.55

### THE FOLLOWING ACCESSORIES ARE INCLUDED:

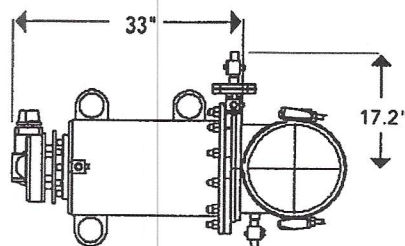
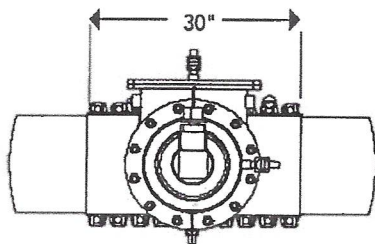
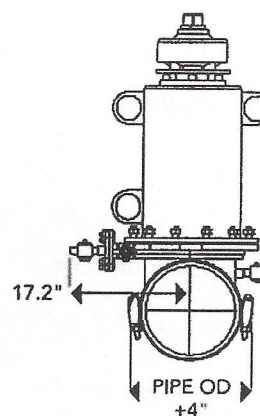
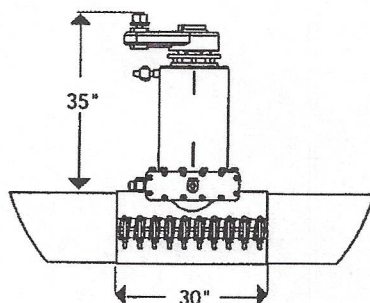
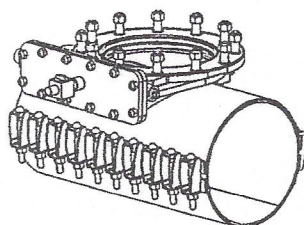
- Slide Gate (Hydraulically Powered)
- Seal Rod
- Drilling Machine Adapter Bell For I.V.S.  
(fits QuikValve™ drilling machine)
- (4) Holesaws that fit QuikValve™ and TapMate™  
Drilling Machine
- Machine Spacer
- By-Pass Hose
- Shaft Nose - for DI, CI and Steel
- PVC Pilot - for PVC Pipe
- Assorted Fasteners and Gaskets
- Operations Manual

Note: This equipment is an add-on package to the QuikValve™ Base Machine (360-00) and requires the use of a hydraulic power supply.



**INSERTAVALVE™****Transmate**

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**HORIZONTAL INSTALLATIONS****VERTICAL INSTALLATIONS**

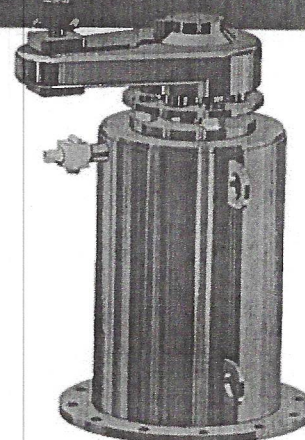
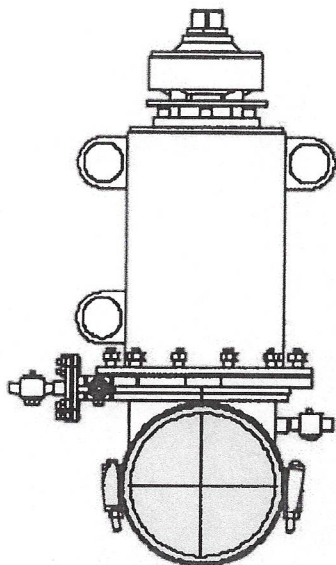
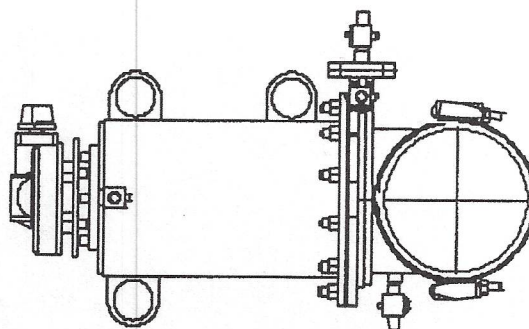
ITEM NUMBER	DESCRIPTION	LIST PRICE
<b>10"</b>	<b>SLEEVES with alloy bolts &amp; nuts</b>	
	311-1095010 IVS-10.95 (10.75 - 10.95)	\$3,260.59
	311-1125010 IVS-11.25 (10.85 - 11.25)	3,260.59
	311-1145010 IVS-11.45 (11.05 - 11.45)	3,260.59
	311-1180010 IVS-11.80 (11.40 - 11.80)	3,260.59
	311-1220010 IVS-12.20 (11.80 - 12.20)	3,260.59
<b>12"</b>	311-1295010 IVS-12.95 (12.75 - 12.95)	3,260.59
	311-1320010 IVS-13.20 (12.90 - 13.20)	3,260.59
	311-1350010 IVS-13.50 (13.10 - 13.50)	3,260.59
	311-1380010 IVS-13.80 (13.40 - 13.80)	3,260.59
	311-1440010 IVS-14.40 (14.00 - 14.40)	3,260.59
	311-1460010 IVS-14.60 (14.20 - 14.60)	3,260.59
	311-1470010 IVS-14.70 (14.30 - 14.70)	3,260.59

ITEM NUMBER	DESCRIPTION	LIST PRICE
<b>10"</b>	<b>SLEEVES with 304 S.S. bolts &amp; nuts</b>	
	311-1095011 IVS-10.95 (10.75 - 10.95)	\$3,688.84
	311-1125011 IVS-11.25 (10.85 - 11.25)	3,688.84
	311-1145011 IVS-11.45 (11.05 - 11.45)	3,688.84
	311-1180011 IVS-11.80 (11.40 - 11.80)	3,688.84
	311-1220011 IVS-12.20 (11.80 - 12.20)	3,688.84
<b>12"</b>	311-1295011 IVS-12.95 (12.75 - 12.95)	3,688.84
	311-1320011 IVS-13.20 (12.90 - 13.20)	3,688.84
	311-1350011 IVS-13.50 (13.10 - 13.50)	3,688.84
	311-1380011 IVS-13.80 (13.40 - 13.80)	3,688.84
	311-1440011 IVS-14.40 (14.00 - 14.40)	3,688.84
	311-1460011 IVS-14.60 (14.20 - 14.60)	3,688.84
	311-1470011 IVS-14.70 (14.30 - 14.70)	3,688.84

Note: Sleeve and Canister dimensions are the same for 10 inch and 12 inch installations

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**INSERTAVALVE™****VALVE CANISTERS (PLUG INCLUDED)****VERTICAL****HORIZONTAL**

	ITEM NUMBER	DESCRIPTION	LIST PRICE
	358-01-0938	9 3/8" Left Open, Alloy B&N	\$8,653.65
	358-01-0938R	9 3/8" Right Open, Alloy B&N	8,653.65
10"	358-01-0938-SS	9 3/8" Left Open, 304 SS B&N	8,967.51
	358-01-0938R-SS	9 3/8" Right Open, 304 SS B&N	8,967.51
	358-01-0975	9 3/4" Left Open, Alloy B&N	8,653.65
	358-01-0975R	9 3/4" Right Open, Alloy B&N	8,653.65
10"	358-01-0975-SS	9 3/4" Left Open, 304 SS B&N	8,967.51
	358-01-0975R-SS	9 3/4" Right Open, 304 SS B&N	8,967.51
	358-01-1138	11 3/8" Left Open, Alloy B&N	8,653.65
	358-01-1138R	11 3/8" Right Open, Alloy B&N	8,653.65
12"	358-01-1138-SS	11 3/8" Left Open, 304 SS B&N	8,967.51
	358-01-1138R-SS	11 3/8" Right Open, 304 SS B&N	8,967.51
	358-01-1175	11 3/4" Left Open, Alloy B&N	8,653.65
	358-01-1175R	11 3/4" Right Open, Alloy B&N	8,653.65
12"	358-01-1175-SS	11 3/4" Left Open, 304 SS B&N	8,967.51
	358-01-1175R-SS	11 3/4" Right Open, 304 SS B&N	8,967.51

	ITEM NUMBER	DESCRIPTION	LIST PRICE
	358-01-0938-90GB	9 3/8" Left Open, Alloy B&N	\$8,653.65
	358-01-0938R-90GB	9 3/8" Right Open, Alloy B&N	8,653.65
10"	358-01-0938-90GB-SS	9 3/8" Left Open, 304 SS B&N	8,967.51
	358-01-0938R-90GB-SS	9 3/8" Right Open, 304 SS B&N	8,967.51
	358-01-0975-90GB	9 3/4" Left Open, Alloy B&N	8,653.65
	358-01-0975R-90GB	9 3/4" Right Open, Alloy B&N	8,653.65
10"	358-01-0975-90GB-SS	9 3/4" Left Open, 304 SS B&N	8,967.51
	358-01-0975R-90GB-SS	9 3/4" Right Open, 304 SS B&N	8,967.51
	358-01-1138-90GB	11 3/8" Left Open, Alloy B&N	8,653.65
	358-01-1138R-90GB	11 3/8" Right Open, Alloy B&N	8,653.65
12"	358-01-1138-90GB-SS	11 3/8" Left Open, 304 SS B&N	8,967.51
	358-01-1138R-90GB-SS	11 3/8" Right Open, 304 SS B&N	8,967.51
	358-01-1175-90GB	11 3/4" Left Open, Alloy B&N	8,653.65
	358-01-1175R-90GB	11 3/4" Right Open, Alloy B&N	8,653.65
12"	358-01-1175-90GB-SS	11 3/4" Left Open, 304 SS B&N	8,967.51
	358-01-1175R-90GB-SS	11 3/4" Right Open, 304 SS B&N	8,967.51

# INSERTAVALVE™

## SLEEVE & PLUG CHART

**Transmate**

a Division of Romac Industries, Inc.

### SLEEVE CHART SLEEVE SPECIFIED BY LARGE OD

SLEEVE SIZE	PIPE AND CLASS	PART NUMBER
10.75 - 10.95	PVC 10" (10.75) ASTM D 2241CL 100,125,160,200 Steel 10 (10.75) Sch. 40, 80	311-1095010
10.85 - 11.25	DI 10" (11.10) 50 - 56 CI 10" (11.10) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B. PVC C-900 10" (11.10); DR14 (PC305), DR18 (PC235), DR25 (PC165)	311-1125010
11.05 - 11.45	DI (11.10) 50 - 56 CI (11.10,11.40) PVC C-900 (11.10); DR14 (PC305), DR18 (PC235), DR25 (PC165) SIMPLEX (11.43); AC 150, AC 100 J-M (11.37)	311-1145010
11.40 - 11.80	CI 250 PIT (11.40), C (11.40), D (11.40) E, F (11.60) AC 100 CERTAIN-TEED (11.46), SIMPLEX (11.43)	311-1180010
11.80 - 12.20	CI G, H (11.84) AC 150 J-M (11.92) SIMPLEX (11.95); AC 200 J-M (11.92) CERTAIN-TEED (11.88)	311-1220010
12.20 - 12.60	AC 200 SIMPLEX (12.45)	Non-stocked item, please call for special quote
12.75 - 12.95	PVC 12" (12.75) ASTM D 2241CL 100, 125, 160, 200 Steel 12" (12.75) Sch. 40, 80	311-1295010
12.90 - 13.20	DI 12" (13.20) 50 - 56 CI 12" (13.20) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B PVC C-900 12" (13.20); DR14 (PC305), DR18 (PC235), DR25 (PC165)	311-1320010
13.10 - 13.50	DI 12" (13.20) 50 - 56 CI 12" (13.20) 50 CC & PC; 100 CC & PC; 150 CC & PIT; 200 CC & PIT; 250 CC; A, B; A,B;CI (13.50) 250 PIT, C, D PVC C-900 12" (13.20); DR14 (PC305), DR18 (PC235), DR25 (PC165) AC 100 J-M (13.49)	311-1350010
13.40 - 13.80	CI (13.50) 250 PIT, C, D, (13.76) E, F AC 100 J-M (13.49) CERTAIN-TEED (13.70) SIMPLEX (13.61)	311-1380010
13.70 - 14.10	CI G, H (14.08)	311-1410010
14.00 - 14.40	AC 150 J-M (14.18) CERTAIN-TEED (14.11) SIMPLEX (14.21) AC 200 J-M (14.18) CERTAIN-TEED (14.11)	311-1440010
14.40 - 14.80	AC 200 SIMPLEX (14.72)	Non-stocked item, please call for special quote

### PLUG CHART

PLUG SIZE	PIPE AND CLASS	PART NUMBER
NOM.	DIA.	
10"	9 3/8"	C900 PVC: DR14 (PC305) AC: JM CL 200, CERTAIN-TEED CL 200, SIMPLEX CL 200 STEEL: SCH. 80
	9 3/4"	DI: CL 50-56 CI: ALL TYPES C-900 PVC: DR18 (PC235), DR25 (PC165) IPS PVC (ASTM D 2241): CL 100, 125, 160, 200 AC: 100, 150 STEEL: SCH. 40
12"	11 3/8"	C900 PVC: DR14 (PC305) IPS PVC (ASTM D 2241): CL 200 AC: JM CL 100, 200, CERTAIN-TEED CL 200, SIMPLEX CL 200 STEEL: SCH. 80
	11 3/4"	DI: CL 50-56 CI: ALL TYPES C900 PVC: DR18 (PC235), DR25 (PC165) IPS PVC: (ASTM D 2241) CL 100, 125, 160, 200 AC: 100, 150 STEEL: SCH. 40

**UTILITY ADVISORY COMMISSION STAFF REPORT**

**DISCUSSION ITEM #1**

**MEETING DATE: MAY 6, 2021**

**STAFF CONTACT: GONZALO GARCIA, UTILITIES DIRECTOR**

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**AGENDA ITEM:** Rebate program with Home Depot

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**Background:**

Staff will discuss response from Home Depot about possible rebate program.